MCR-SL-D-FIT - Digital display

2864024

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MCR digital display, for measuring and displaying frequencies, pulses and times, 6-fig. display

Commercial data

Item number	2864024
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C401
Product key	DK1141
GTIN	4017918976477
Weight per piece (including packing)	78.6 g
Weight per piece (excluding packing)	92.6 g
Customs tariff number	90291000
Country of origin	DE

Technical data

Product properties

Product type	Digital displays
No. of channels	1
Configuration	Keyboard

System properties

Functionality

Configuration	Keyboard

Electrical properties

Supply

Supply voltage range	10 V DC ... 30 V DC
Max. current consumption	max. 40 mA

Input data

Measurement: Frequency

Reset input	Setting function at setting value or zero
Available input sources	NPN/PNP transistor outputs, floating relay contacts
Polarity	Can be programmed jointly for all inputs
Impulse form	Any (Schmitt trigger input), rectangular pulse 1:1 at maximum frequency
Pulse time	min. 5 µs
Input frequency	max. 60 kHz (CntDir)
	max. 25 kHz (UpDown / Up.Up/Quad 1/ Quad 2)
	max. 15 kHz ((Quad 4))

Signal: digital

Signal level "1" signal	0.6 x U_B ... 30 V DC
Signal level "0" signal	0 V DC ... 0.2 x U_B
Switching level "1" signal	4 V DC ... 30 V DC
Switching level "0" signal	0 V DC ... 2 V DC
Input resistance of voltage input	10 kΩ
Measuring rate	$0.1s^{-1}$ / $0.5s^{-1}$

Output data

Switching: Transistor

Maximum switching voltage	30 V DC
Max. switching current	10 mA

Signal

Number of positions displayed	6

Display	7-segment LED; 8 mm; red

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.14 mm² ... 1 mm²
Conductor cross-section flexible	0.14 mm² ... 1.5 mm²
Conductor cross-section AWG	26 ... 16

Dimensions

Width	48 mm
Height	24 mm
Depth	68 mm

Material specifications

Housing material	Macrolon 2405

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (Front)
Ambient temperature (operation)	-20 °C ... 65 °C (10 V DC ... 26 V DC)
	-20 °C ... 55 °C (> 26 V DC ... 30 V DC)
Ambient temperature (storage/transport)	-25 °C ... 70 °C

Approvals

CE

Certificate	CE-compliant

UL, USA/Canada

Identification	UL 863

EMC data

Noise immunity	EN 61000-6-2
	EN 61000-4-2

Noise emission

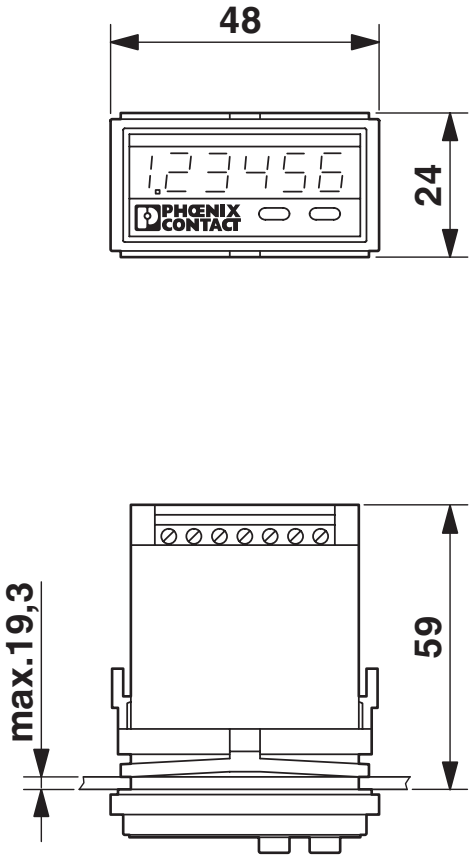
Standards/regulations	EN 55011 / class B

Mounting

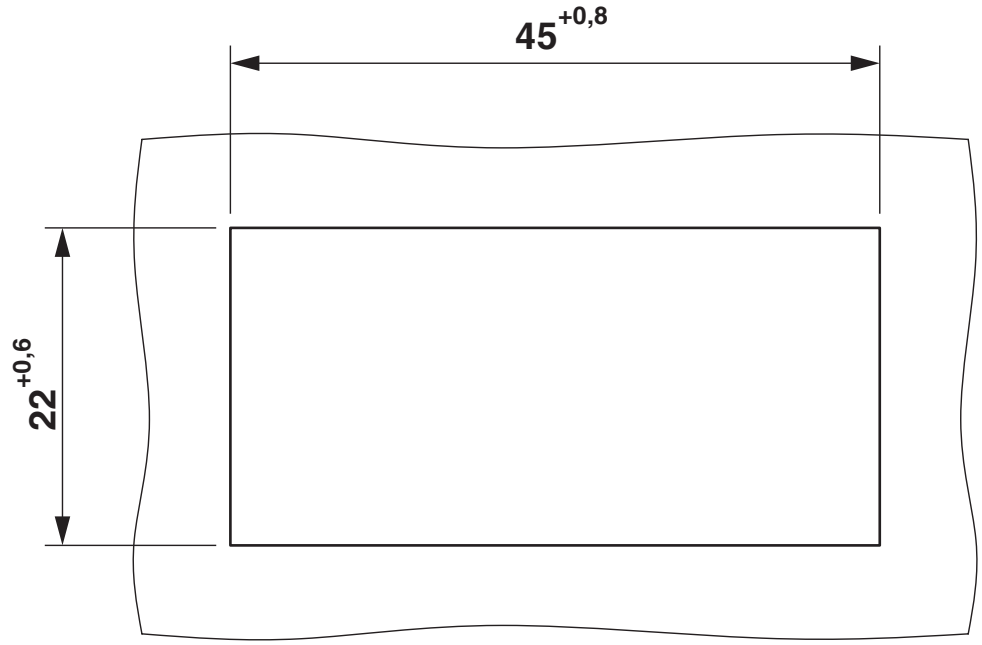
Mounting type	Panel mount

Drawings

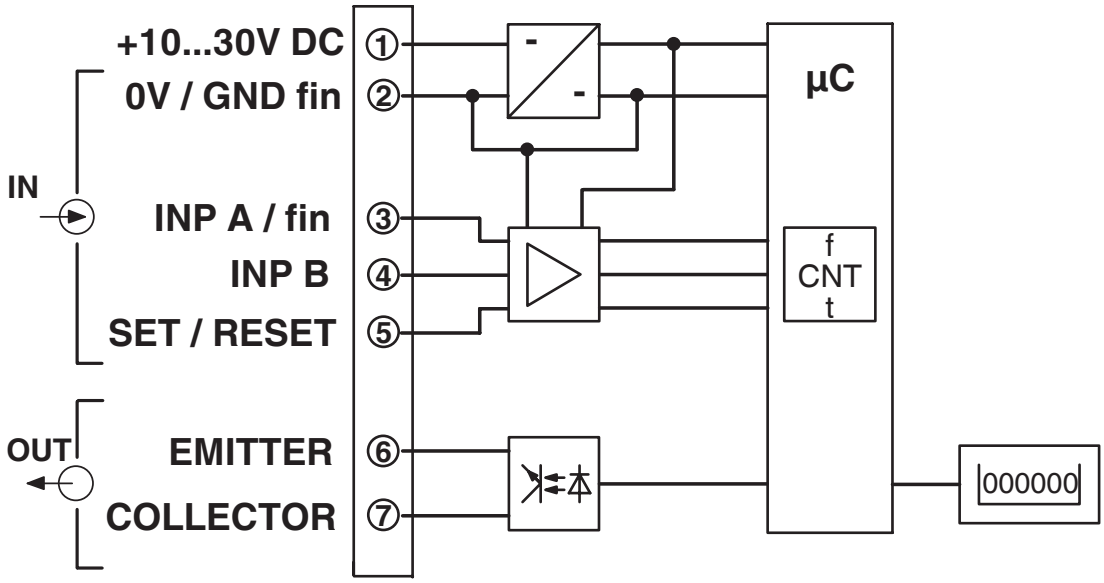
Dimensional drawing



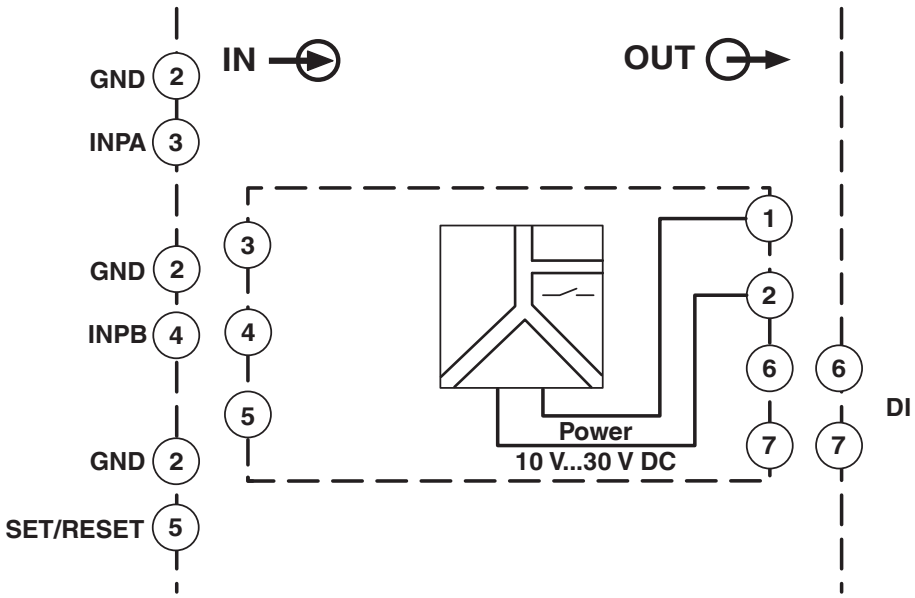
Dimensional drawing



Circuit diagram



Block diagram



Block diagram MCR-SL-D-FIT

Approvals

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cUL Recognized
Approval ID: FILE E 197577

UL Recognized
Approval ID: FILE E 197577

EAC
Approval ID: RU*DE.*08.B.01522/19

Classifications

ECLASS

ECLASS-13.0	27210301
ECLASS-15.0	27210301

ETIM

ETIM 10.0	EC011349

UNSPSC

UNSPSC 21.0	39121000

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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